NANOTTICA PIR



... with movement detector, ceiling height from 3.5 to 12 m, MultiLumen.

USE

The fixture boasts a **low unified glare rating with UGR values** its patented nanooptics. This ensures eye comfort, **high visual performance and workplace safety,** which indirectly **translates into higher productivity.**

Highly recommended also for **illumination of spaces where workers' visual precision is of paramount importance.** These include workshops where fine assembly work is performed as well as visual inspection areas. Its **standard beam angle with the sensor** makes it a perfect choice for premises with an optimum luminaire installation height of **3.5 to 12 m**.

It is designed for indoor spaces, **industrial premises, agricultural buildings, warehouses as well as sports facilities, transport hubs, car parks and garages, workshops and laboratories** with no explosion hazard.

Made of clear polycarbonate, the base and the diffuser boast **high impact and deformation resistance.** Emissions in the environment of use may reduce the usability of the plastics; for more information see page 421.

ADVANTAGES

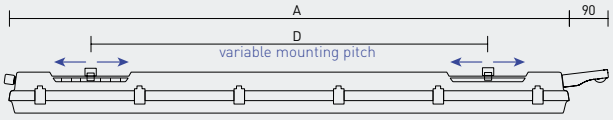
- Patented optics ensures absolute control over light beam distribution
- Light fitting protection **IP65**
- High temperature resistance in a range from ta = -25 °C to **ta = 50 °C**
- Lifetime: 50 000 hours / L90B10
- Lifetime: 100 000 hours / L80B10
- High **mechanical resistance IK10**
- **Variable suspension pitch,** optional installation of light fitting even on an existing structure on which the original light fittings were suspended
- **MultiLumen (ML)** function enables simple switching between up to four luminous fluxes via driver's DIP switch.
- Standard model CRI > 80: 4000 K
- On request CRI > 80: 3000 K, 5000 K, 6500 K
- CRI > 90: 3000 K, 4000 K, 5000 K, 6500 K
- Optional delivery in emergency version

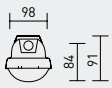
NANOTTICA PIR PC, PCc



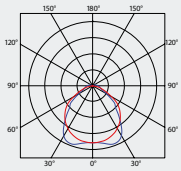
TECHNICAL DESCRIPTION

- Light fitting protection: **IP65**
- Maximum ambient temperature: **ta = 50 °C**
- Maximum ambient temperature: ta = 0-40 °C for version with emergency back-up M3hAt
- Lifetime: 50 000 hours / L90B10
- Lifetime: 100 000 hours / L80B10
- Maximum light fitting efficiency: **165 lm/W**
- **CRI > 80: 4000 K** – standard
- CRI > 80: 3000 K, 5000 K, 6500 K - on request
- CRI > 90: 3000 K, 4000 K, 5000 K, 6500 K - on request
- **MultiLumen (ML):** luminous flux variable in up to 4 steps. In the standard version preset maximum luminous flux.
- MacAdam = 3 SDCM
- Diffuser: **transparent PC with nanooptics** (high mechanical resistance, UV stability)
- Body: grey PC (high mechanical resistance, UV stability)
- Reflector: steel sheet, white colour (RAL 9003)
- **Mounting clips:** stainless steel, stainless steel hooks included
- Clips: polyamide + 15 % glass fibre or stainless steel + polyamide
- Sealing: polyurethane (PUR), foamed body groove
- **Motion sensor:** 360° range, switch on height 1 – 12 m, time range 2 sec – 30 min, switch-on sensitivity 2 – 500 lux
- Cable gland: screwed PG 13.5
- Terminal block: screwless, three-pole (basic version), or screwed
- The values stated for power consumption and luminous flux are in a tolerance of ± 7.5 %





NANOTTICA 1.4ft PIR



Type	Max. ambient temperature [°C]	Luminous flux of LED modules [lm]	Preselected Step 1 of MultiLumen function			Net weight [kg]	A [mm]	D [mm]
			Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]			
Up to ambient temperature ta = 50 °C - body: grey polycarbonate - diffusor with nanooptics (standard beam angle), transparent polycarbonate								
NANOTTICA 1.2ft PIR PC 1600/840	50	1630	1530	10,5	146	1,0	615	110 - 370
NANOTTICA 1.2ft PIR PC 2200/840 *	45	2360	2220	14,6	152	1,0	615	110 - 370
NANOTTICA 1.4ft PIR PC 3200/840	50	3260	3060	20,1	152	1,8	1175	700 - 960
NANOTTICA 1.4ft PIR PC 4400/840 *	45	4520	4250	27,3	156	1,8	1175	700 - 960
NANOTTICA 1.4ft PIR PC 6400/840 *	45	6500	6110	38,5	159	1,8	1175	700 - 960
NANOTTICA 1.4ft PIR PC 8000/840	35	8160	7670	49,0	157	1,8	1175	700 - 960
NANOTTICA 1.5ft PIR PC 4000/840	50	4180	3930	25,3	155	2,1	1455	970 - 1230
NANOTTICA 1.5ft PIR PC 5500/840 *	45	5590	5250	33,3	158	2,1	1455	970 - 1230
NANOTTICA 1.5ft PIR PC 8000/840 *	45	8020	7540	47,4	159	2,1	1455	970 - 1230
NANOTTICA 1.5ft PIR PC 10000/840	35	10350	9730	62,9	155	2,1	1455	970 - 1230

*) Also available with MultiLumen function:

Type	MultiLumen function								
	Step 2			Step 3			Step 4		
	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]	Luminous flux of light fitting [lm]	Power consumption [W]	System efficacy [lm/W]
NANOTTICA 1.2ft PIR PC 2200/840 ML	1920	13,0	148	1620	11,0	147	1310	9,1	144
NANOTTICA 1.4ft PIR PC 4400/840 ML	3680	23,3	158	3110	19,5	159	2520	15,8	159
NANOTTICA 1.4ft PIR PC 6400/840 ML	5300	32,8	162	4480	27,4	164	3640	22,1	165
NANOTTICA 1.5ft PIR PC 5500/840 ML	4550	28,4	160	3840	23,6	163	3100	19,1	162
NANOTTICA 1.5ft PIR PC 8000/840 ML	6550	40,4	162	5540	33,6	165	4480	27,2	165

NANOTTICA PIR PC non-dimmable, plastic clips

Code	Type	M3hAt
107122	NANOTTICA 1.2ft PIR PC 1600/840	x
107123	NANOTTICA 1.2ft PIR PC 2200/840 ML	x
107124	NANOTTICA 1.4ft PIR PC 3200/840	107130
107125	NANOTTICA 1.4ft PIR PC 4400/840 ML	107131
107126	NANOTTICA 1.4ft PIR PC 6400/840 ML	107132
110333	NANOTTICA 1.4ft PIR PC 8000/840	x
107127	NANOTTICA 1.5ft PIR PC 4000/840	107133
107128	NANOTTICA 1.5ft PIR PC 5500/840 ML	107134
107129	NANOTTICA 1.5ft PIR PC 8000/840 ML	107135
110334	NANOTTICA 1.5ft PIR PC 10000/840	x

Basic PIR settings: light time 5 min,
ambient light control set to 2 lux
To change the settings, the HRC-11 remote control (12285) is required

NANOTTICA PIR PCc non-dimmable, stainless clips

Code	Type	M3hAt
107136	NANOTTICA 1.2ft PIR PCc 1600/840	x
107137	NANOTTICA 1.2ft PIR PCc 2200/840 ML	x
107138	NANOTTICA 1.4ft PIR PCc 3200/840	107144
107139	NANOTTICA 1.4ft PIR PCc 4400/840 ML	107145
107140	NANOTTICA 1.4ft PIR PCc 6400/840 ML	107146
110337	NANOTTICA 1.4ft PIR PCc 8000/840	x
107141	NANOTTICA 1.5ft PIR PCc 4000/840	107147
107142	NANOTTICA 1.5ft PIR PCc 5500/840 ML	107148
107143	NANOTTICA 1.5ft PIR PCc 8000/840 ML	107149
110338	NANOTTICA 1.5ft PIR PCc 10000/840	x

Basic PIR settings: light time 5 min,
ambient light control set to 2 lux
To change the settings, the HRC-11 remote control (12285) is required

NANOTTICA PIR PC COR digital dimmable DALI, plastic clips

Code	Type	M3hAt
107150	NANOTTICA 1.2ft PIR PC 1600/840 COR	x
107151	NANOTTICA 1.2ft PIR PC 2200/840 COR	x
107152	NANOTTICA 1.4ft PIR PC 3200/840 COR	107158
107153	NANOTTICA 1.4ft PIR PC 4400/840 COR	107159
107154	NANOTTICA 1.4ft PIR PC 6400/840 COR	107160
110335	NANOTTICA 1.4ft PIR PC 8000/840 COR	x
107155	NANOTTICA 1.5ft PIR PC 4000/840 COR	107161
107156	NANOTTICA 1.5ft PIR PC 5500/840 COR	107162
107157	NANOTTICA 1.5ft PIR PC 8000/840 COR	107163
110336	NANOTTICA 1.5ft PIR PC 10000/840 COR	x

Basic PIR COR settings:
5 min at 100% light level; 10 min at 20% light level, then 0%
To change the settings, the HRC-11 remote control (12285) is required

NANOTTICA PIR PCc COR digital dimmable DALI, stainless clips

Code	Type	M3hAt
107164	NANOTTICA 1.2ft PIR PCc 1600/840 COR	x
107165	NANOTTICA 1.2ft PIR PCc 2200/840 COR	x
107166	NANOTTICA 1.4ft PIR PCc 3200/840 COR	107172
107167	NANOTTICA 1.4ft PIR PCc 4400/840 COR	107173
107168	NANOTTICA 1.4ft PIR PCc 6400/840 COR	107174
110339	NANOTTICA 1.4ft PIR PCc 8000/840 COR	x
107169	NANOTTICA 1.5ft PIR PCc 4000/840 COR	107175
107170	NANOTTICA 1.5ft PIR PCc 5500/840 COR	107176
107171	NANOTTICA 1.5ft PIR PCc 8000/840 COR	107177
110340	NANOTTICA 1.5ft PIR PCc 10000/840 COR	x

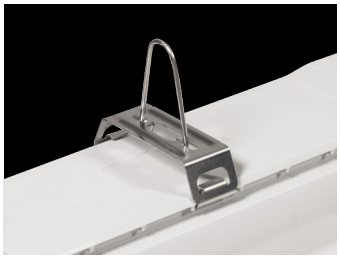
Basic PIR COR settings:
5 min at 100% light level; 10 min at 20% light level, then 0%
To change the settings, the HRC-11 remote control (12285) is required

LEGEND

M3hAt - emergency back-up source with 3 hour operating time for maintained emergency illumination with battery autotest
COR - version with digital dimmable driver DALI and set CORRIDOR function in **PIR sensor, setting with the HRC11 remote control**

LIGHT FITTING ATTACHMENT

a) Directly to a ceiling or a wall with the use of screws and stainless brackets
b) Suspension with the use of stainless hooks
c) Attachment with the use of side hangers to the wall - is not included in accessories


LIGHT FITTING DETAILED VIEW

NANOTTICA PIR

